GSB (Ground Stack Board)

A choice of different boards is available for different stack configurations. These are all made from 18mm Finnish Birch Ply and finished with Funktion One voilet paint.

GSM-Clamp

Clamps slide onto the underside of the board and are used to secure the board to the rear of the bass (these spring against the clasps used on the front). For permanent installations, they can be bolted to the dedicated T-Nuts on the rear of the bass, although this is not necessary for touring use. Most ground stack boards have alternative routed rear positions to appropriately locate the clamps to the depth of different models of Funktion One bass.

GSM-Clasp

'S-Profile' clasps slide onto underside of Ground Stack Board and hook round top front edge of bass enclosure. Two of the same clasps are used the other way up to hold the lower front edge of each R4/5 in place (these can be slid into position once the board has been attached to the bass)

GSS-Bass

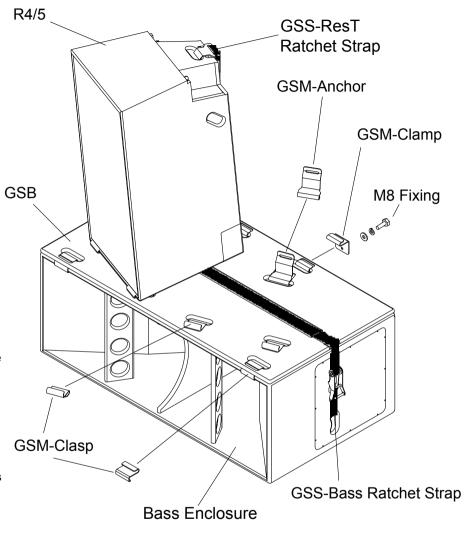
Once the board is located and secure with the Clasps and Clamps fitted to the underside, the GSS-Bass Strap is added. The ratchet strap is terminated with metal ovals which locate in the lowest bass handles on either side of the stack. Once tight, the strap secures the bass enclosures and board together.

GSM-Anchor

The anchor is used with Touring enclosures only and provides a location for the built in "biscomatic" tongue to set the downward tilt angle. Two rows of Touring enclosures can be used with the board system, using the integral linking system. A **GSS-ResT** strap is required for each anchor position (see next sheet).

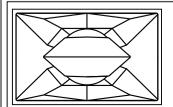
GSM-Anchor E (not pictured)

Originally designed for use with the Resolution E enclosures, which do not have the built in "biscomatic", the E-Anchor facilitates external downward tilt angle adjustment. The rear of the enclosure rests on a captive block which can easily be moved to different heights for different downward angles. Please note, only one row of E enclosures can be deployed in this way. A **GSS-ResE** strap is required for each anchor position (see next sheet). The E-Anchor also presents an alternative choice for touring enclosure users and facilitates more declination than with the GSM-Anchor described above (in this case, GSS-ResT straps would be used).



All dimensions in mm and inches

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Accessories for: Ground Stack System

Ground Stack assembly 1

Boards available for many combinations of R2s R3s, R3EHs, R4s or R5s with different bass enclosures

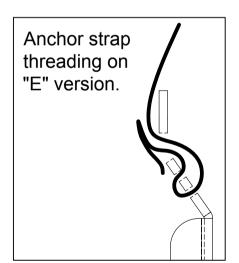
R4/5 E:

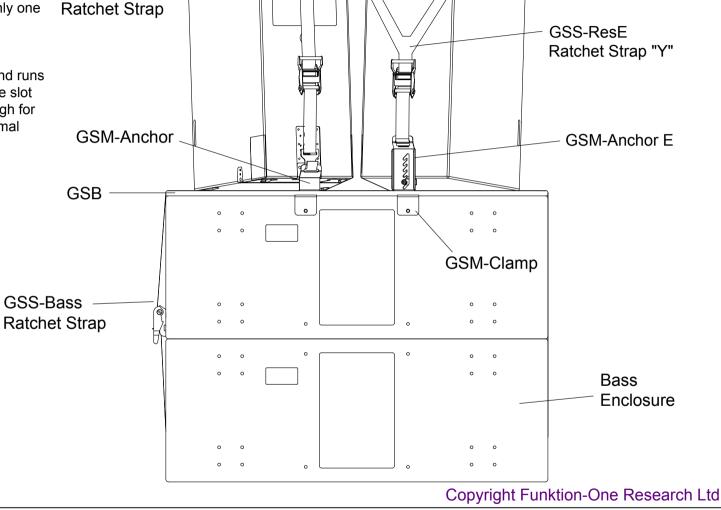
The lower end of the ResE Y-strap (**GSS-ResE**) is threaded to the E-Anchor and once threaded can be left attached (see diagram below). The upper ends are secured by metal ovals that locate in the side handles. The indexed block in the E-Anchor sets the declination of the enclosure. The strap is tightened just sufficiently to secure the R4/5 E. Note, only one row of E enclosures can be used in this way.

R4/5 T:

The ResT strap (**GSS-ResT**) has a hook at each end and runs from the handle in the top of the touring enclosure to the slot present in either type of anchor. This strap is long enough for three vertically liked touring enclosures, although in normal use we advise a maximum of two rows. The E-Anchor provides greater declination than the touring anchor.

Go to page 8 for more details of straps





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R4T

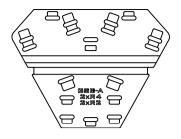
GSS-ResT

Accessories for: Ground Stack System

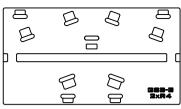
Ground Stck Assembly 2

Boards available for many combinations of R2s R3s, R3EHs, R4s or R5s with different bass enclosures

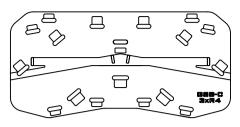
R4E



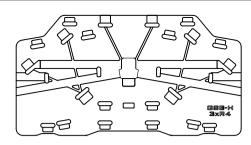
GSB-A For 2 wide R2 or R4 on F121, F221 or F218



GSB-B For 2 wide R4 on F218



GSB-C For 3 wide R4 on 1 or 2 wide F218



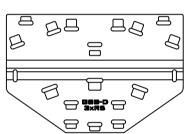
GSB-H For 3 wide R4 on 1 wide F221, 2 wide F121, 1 or 2 wide F218

R4 Ground Stack boards provide an optimised and fixed horizontal array angle of 40° between adjacent enclosures.

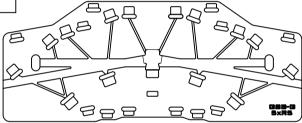
R5 Ground Stack boards provide an optimised and fixed horizontal array angle of 20° between adjacent enclosures.

Boards for R2, R4 and R4/5 Touring and E series.

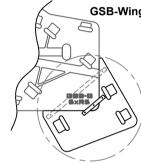
Boards for R5 Touring and E series.



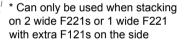
GSB-D For 3 wide R5 on F218, F121 or F221 or 2 x F221 on end

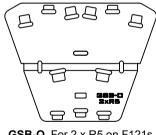


GSB-G For 5 wide R5 on 1 wide F221 or 2 wide F121 or F218

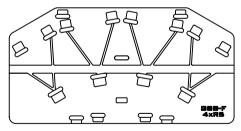


GSB-Wing Ground Stack Board extension to make a 5 wide board 6 or 7 wide*
(Left and Right Hand versions available)





GSB-O For 2 x R5 on F121s or F221 on end



GSB-F For 4 wide R5 on 1 wide F221 or 2 wide F121



GSB-Q For 2 wide R5 on 2x F218 on end

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All dimensions in mm and inches

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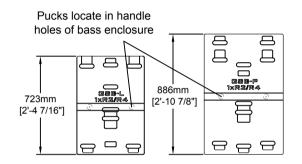
mail@funktion-one.com www.funktion-one.com

Accessories for: Ground Stack System - Boards (sheet 1)

GSB-A; GSB-B; GSB-C; GSB-D; GSB-F GSB-G; GSB-H; GSB-O; GSB-Q GSB-Wing

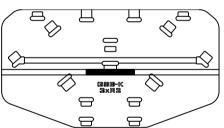
R2. R3 & R4 Ground Stack boards provide an optimised and fixed horizontal array angle of 40° between adjacent enclosures.

Note: Touring Straps and Anchors cannot be used with R2 or R3 Ground Stacking



GSB-L For 1 x R2 or R4 on F218 on end

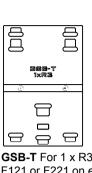
GSB-P For 1 x R2 or R4 on F121 or F221 on end



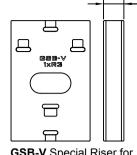
GSB-K For 3 x R2 on F218 or F221

Boards for R2, R4T and R4E

All dimensions in mm and inches



GSB-T For 1 x R3 on F121 or F221 on end

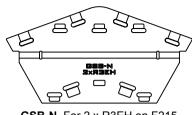


150mm [5 7/8"]

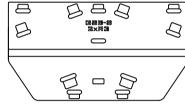
GSB-V Special Riser for R3 on F121 on end

GB21 Stabilising Board

for an F221 on end



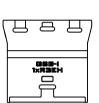
GSB-N For 2 x R3EH on F215



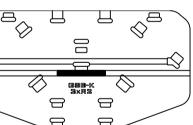
GSB-S For 2 x R3 on F218 or IB218

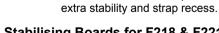


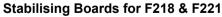
GSB-R For 2 x R3 on F221 or 2 x F121s on end



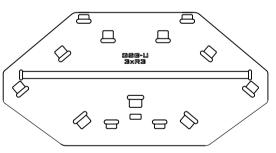
GSB-I For 1x R3EH on F215 comes with additional metal bracket







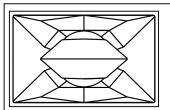
Used under bass on end, providing



GSB-U For 3 x R3 on F221

Boards for R3

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GB18 Stabilising Board for an F218 on end

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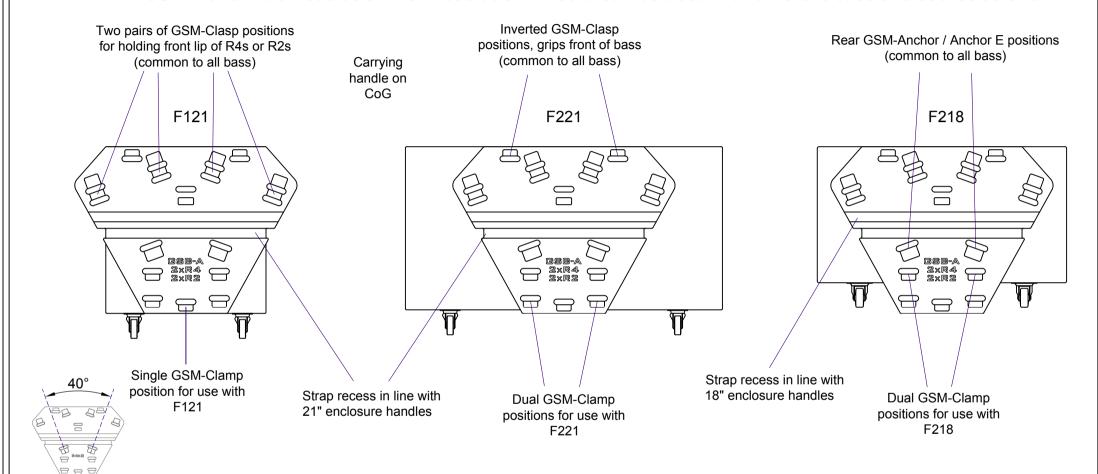


mail@funktion-one.com www.funktion-one.com Accessories for: Ground Stack System - Boards (sheet 2)

GSB-I, GSB-K, GSB-L; GSB-N; GSB-P; GSB-R; GSB-S;

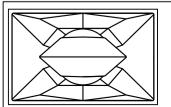
GSB-T; GSB-U; GSB-V; GB18; GB21

GSB-A two wide Resolution 4 or Resolution 2 board can be used with different bass enclosures as shown



All dimensions in mm and inches

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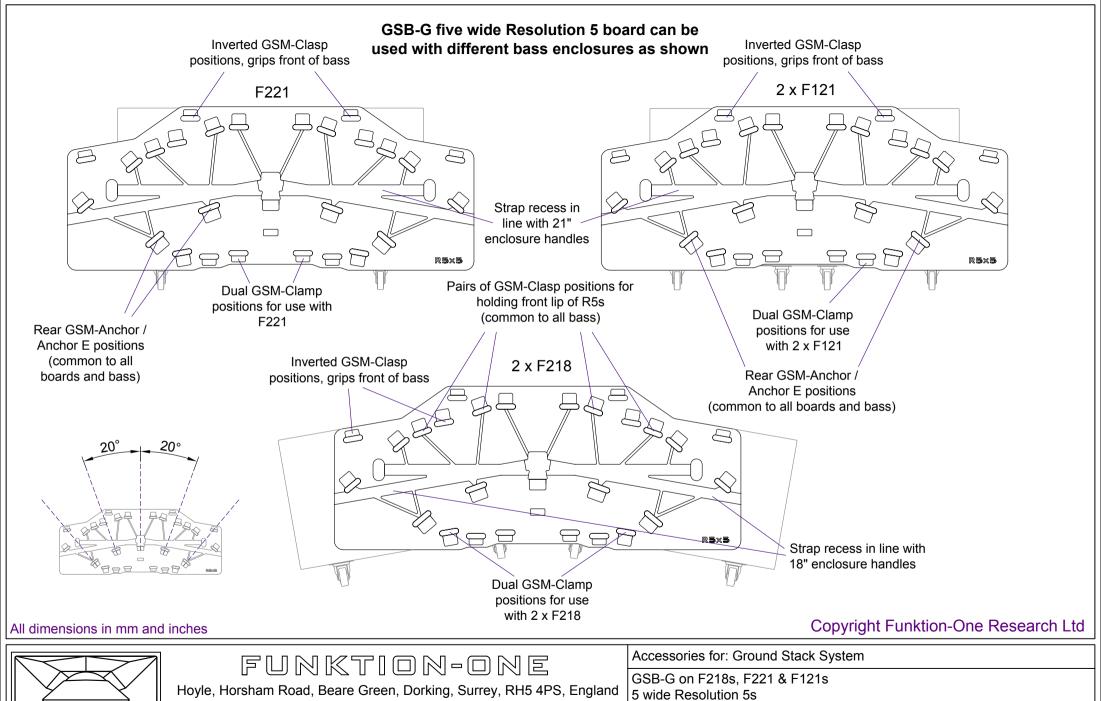
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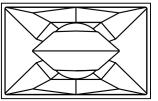
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mail@funktion-one.com www.funktion-one.com Accessories for: Ground Stack System

GSB-A on F121, F221 & F218 2 wide Resolution 4s or Resolution 2s

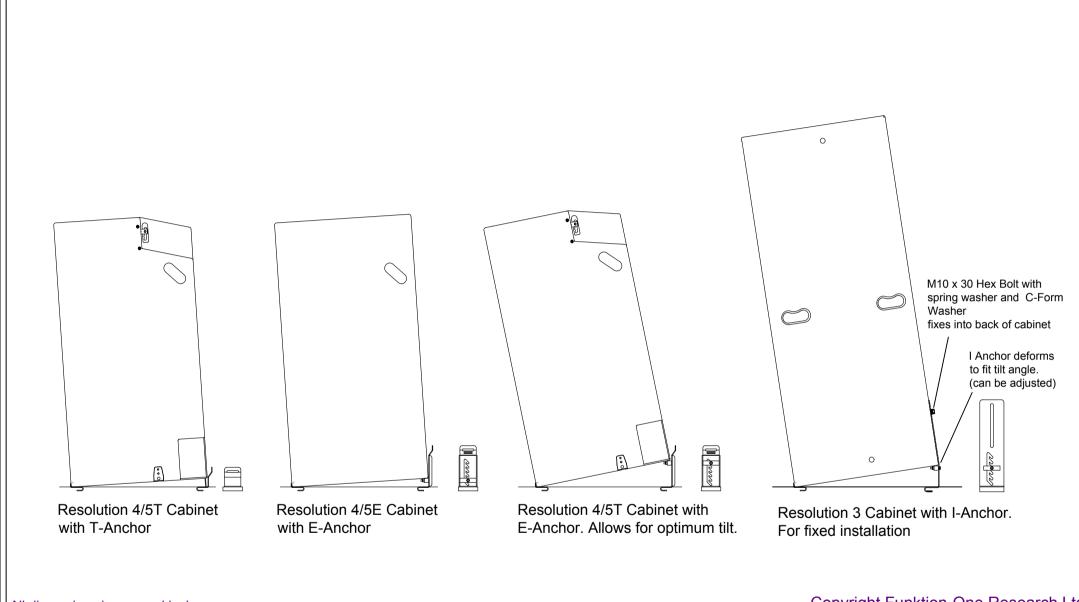




Phone: +44 (0)1306 712820 Fax: +44 (0)1306 711240

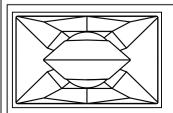


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All dimensions in mm and inches

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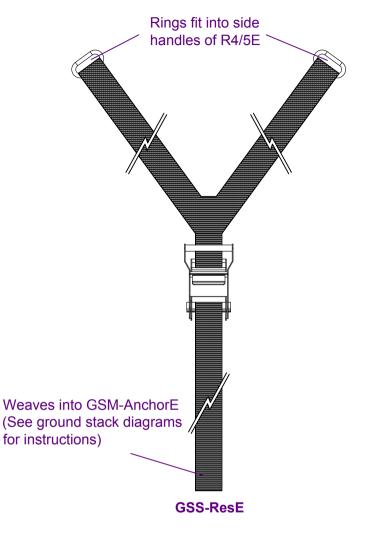
mail@funktion-one.com www.funktion-one.com

Accessories for: Ground Stack System - Anchor Plates

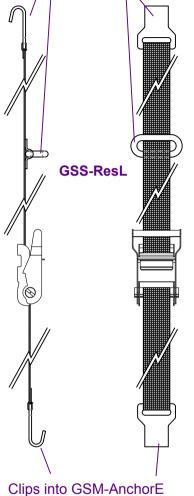
The E-Anchor can be used with both E and Touring enclosures, providing adjustable declination as shown.

It has a slot at the top for use with touring strap hook and two additional slots to weave the E tilt strap into securely, examples can be seen on the Ground Stack Assembly assembly page.

Straps are not to scale Clips into the top handle of R4/5T



Strap loops through top handlebar and hooks into the oval ring

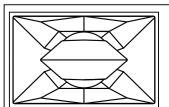




All dimensions in mm and inches

Clips into GSM-AnchorT or AnchorE

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mail@funktion-one.com www.funktion-one.com Accessories for: Ground Stack System - Tilt Straps

GSS-ResT - Ratchet strap to secure one or two R4/5T to GSM-AnchorT

GSS-ResE - Ratchet strap (Y) to secure one R2 or R4/5E to GSM-AnchorE

GSS-ResL - Ratchet strap for R3 or R2U groundstacking

GSS-ResEH - 1.4m length lightweight ratchet for "EH" cabinets

Ground Stack Board Kits

March 2015

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		Code	Board	GSM-Clasp	GSM-Clasp 2	GSM-Clamp	GSM-Anchor	GSM-Anchor-E	GSM-Anchor-I	GSS-ResE	GSS-ResT	GSS-ResL	GSS-ResEH	GSS-Bass	110 Handwheel	GB18	GB21
Complete Withforn accounting 2 to D2 on D4 on E404 E004 on E040	Touring Anchors and Straps*	GS(Kit)-AT	GSB-A	6		2	2				2			1			
Complete Kit for mounting 2 x R2 or R4 on F121, F221 or F218 *Not able to use with R2 or R4E Install Kit for mounting 2 x R2 or R4 on F221 or F218 (requires additional JP-BL Bass Joiners) Complete Kit for mounting 2 x R4 on F218 only Install Kit for mounting 2 x R4 on F218 only (requires additional JP-BL Bass Joiners) Complete Kit for mounting 3 x R4 on 1 or 2 wide F218 Install Kit for mounting 3 x R4 on 1 or 2 wide F218 (requires additional JP-BL Bass Joiners) Complete Kit for mounting 3 x R5 on F218, F121 (on side), F221 or 2 F221/F121 on end Install Kit for mounting 3 x R5 on F218 or F221 (requires additional JP-BL Bass Joiners)	E-Anchors and Touring Straps*	GS(Kit)-AX	GSB-A	6		2		2			2			1			
Not able to doe with the of the	E-Anchors and E-Straps	GS(Kit)-AE	GSB-A	6		2		2		2				1			
•	I-Anchors and No Straps	GS(Kit)-Al	GSBA	6		2			2								
	Touring Anchors and Straps	GS(Kit)-BT	GSB-B	6		2	2				2			1			
Install Kit for mounting 2 x R4 on F218 only	E-Anchors and Touring Straps	GS(Kit)-BX	GSB-B	6		2		2			2			1			
	E-Anchors and E-Straps	GS(Kit)-BE	GSB-B	6		2		2		2				1			
	I-Anchors and No Straps	GS(Kit)-BI	GSB-B	6		2			2								
,	Touring Anchors and Straps	GS(Kit)-CT	GSB-C	8		2	3				3			2			
Complete Kit for mounting 3 x R4 on 1 or 2 wide F218	E-Anchors and Touring Straps	GS(Kit)-CX	GSB-C	8		2		3			3			2			
	E-Anchors and E-Straps	GS(Kit)-CE	GSB-C	8		2		3		3				2			
	I-Anchors and No Straps	GS(Kit)-CI	GSB-C	8		2			3								
O - male to 1/21 (see as equal to a O - DE - or E040, E404 (see at the) E004 - or O -	Touring Anchors and Straps	GS(Kit)-DT	GSB-D	8	2	2	3				3			1			
	E-Anchors and Touring Straps	GS(Kit)-DX	GSB-D	8	2	2		3			3			1			
1 22 1/1 12 1 OII CIIU	E-Anchors and E-Straps	GS(Kit)-DE	GSB-D	8	2	2		3		3				1			
•	I-Anchors and No Straps	GS(Kit)-DI	GSB-D	8	2	2			3								
	Touring Anchors and Straps	GS(Kit)-FT	GSB-F	10		2	4				4			1			
Complete Kit for mounting 4 x R5 on F221 or 2 wide F121	E-Anchors and Touring Straps	GS(Kit)-FX	GSB-F	10		2		4			4			1			
	E-Anchors and E-Straps	GS(Kit)-FE	GSB-F	10		2		4		4				1			
Install Kit for mounting 4 x R5 on F221 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-FI	GSB-F	10		2			4								

All kits include the board and all necessary metal parts and straps

Kits with codes ending in 'T' have Touring Anchors and Straps for use with Touring R4s or R5s only

Kits with codes ending in 'X' have E-Anchors and Touring Straps for use with Touring R4s or R5s only, but facilitating more downward tilt than with the T kits

Kits with codes ending in 'E' have E-Anchors with captive E Straps for use with E Enclosures, R2s and R3s as appropriate

Kits with codes ending in 'I' are for install applications where everything is secured with bolts rather than straps. These have I-Anchors for use with E Enclosures, R2s and R3s. Bass joiner kits (JP-BL) should be ordered separately to secure the bass.

Please be aware that kits with boards for multiple bass enclosures always contain the maximum amount of clasps/clasp 2s, clamps and bass straps

Ground Stack Board Kits

March 2015

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		Code	Board	GSM-Clasp	GSM-Clasp 2	GSM-Clamp	GSM-Anchor	GSM-Anchor-E	GSM-Anchor-I	GSS-ResE	GSS-ResT	GSS-ResL	GSS-ResEH	GSS-Bass	110 Handwheel	GB18	GB21
Complete Kit for requisition 5 to D5 and wide 5004 at 2 wide 5404a at	Touring Anchors and Straps	GS(Kit)-GT	GSB-G	14		2	5				5			2			
Complete Kit for mounting 5 x R5 on 1 wide F221 or 2 wide F121s or F218s	E-Anchors and Touring Straps	GS(Kit)-GX	GSB-G	14		2		5			5			2			
	E-Anchors and E-Straps	GS(Kit)-GE	GSB-G	14		2		5		5				2			
Install Kit for mounting 5 x R5 on F221 or 2 wide F218s (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-GI	GSB-G	14		2			5								
Complete Kit for mounting 3 x R4 on F221, 2 wide F121, 1 or 2 wide F218	Touring Anchors and Straps	GS(Kit)-HT	GSB-H	10		2	3				3			2			
	E-Anchors and Touring Straps	GS(Kit)-HX	GSB-H	10		2		3			3			2			
	E-Anchors and E-Straps	GS(Kit)-HE	GSB-H	10		2		3		3				2			
Install Kit for mounting 3 x R4 on F221, 1 or 2 wide F218 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-HI	GSB-H	10		2			3								
Complete Kit for mounting 1x R3EH on F215	E-Anchors and Straps	GS(Kit)-IE	GSB-I	3				1					1	1			
(requires extra length of angle section to fix on board)	I-Anchors and Bass Strap	GS(Kit)-II	GSB-I	3					1					1	1		
Complete Kit for mounting 3 x R2 on F218 or F221	E-Anchors and E-Straps	GS(Kit)-KE	GSB-K	8		2		3		3				1			
Complete Kit for mounting 3 x R2 on F218 or F221 (requires additional JP-BL Joiners)	I-Anchors and No Straps	GS(Kit)-KI	GSB-K	8		2			3								
Complete Kit for mounting 1 x R2 or R4 on F118 or F218 on end (pucks	Touring Anchors and Straps*	GS(Kit)-LT*	GSB-L	2	1	2	1				1			1		1	
locate in handles)	E-Anchors and Touring Straps*	GS(Kit)-LX*	GSB-L	2	1	2		1			1			1		1	
*Not able to use with R2 or R4/5E	E-Anchors and E-Straps	GS(Kit)-LE	GSB-L	2	1	2		1		1				1		1	
Complete Kit for mounting 2x R3EH on F215 *Needs to be added if F215 is horn up (not included in price)	E-Anchors and Straps	GS(Kit)-NE	GSB-N	6	2*	2		2					2	1			
	I-Anchors and Bass Strap	GS(Kit)-NI	GSB-N	6	2*	2			2					1	2		
Complete Kit for mounting 2x R5 on F121s	Touring Anchors and Straps	GS(Kit)-OT	GSB-O	6	2*	2	2				2			1			*
or F221 on end	E-Anchors and Touring Straps	GS(Kit)-OX	GSB-O	6	2*	2		2		2				1			*
Needs to be added if F221 is used on end (not included in price)	E-Anchors and E-Straps	GS(Kit)-OE	GSB-O	6	2	2		2		2				1			*

All kits include the board and all necessary metal parts and straps

Kits with codes ending in 'T' have Touring Anchors and Straps for use with Touring R4s or R5s only

Kits with codes ending in 'X' have E-Anchors and Touring Straps for use with Touring R4s or R5s only, but facilitating more downward tilt than with the T kits

Kits with codes ending in 'E' have E-Anchors with captive E Straps for use with E Enclosures, R2s and R3s as appropriate

Kits with codes ending in 'I' are for install applications where everything is secured with bolts rather than straps. These have I-Anchors for use with E Enclosures, R2s and R3s. Bass joiner kits (JP-BL) should be ordered separately to secure the bass.

Please be aware that kits with boards for multiple bass enclosures always contain the maximum amount of clasps/clasp 2s, clamps and bass straps

Ground Stack Board Kits

March 2015

		Code	Board	GSM-Clasp	GSM-Clasp 2	GSM-Clamp	GSM-Anchor	GSM-Anchor-E	GSM-Anchor-I	GSS-ResE	GSS-ResT	GSS-ResL	GSS-ResEH	GSS-Bass	M10 Handwheel	GB18	GB21
Complete Kit for mounting 1 x R2 or R4 on F121 or F221 on end (pucks	Touring Anchors and Straps*	GS(Kit)-PT*	GSB-P	2	2	2	1				1			1			1
locate in handles)	E-Anchors and Touring Straps*	GS(Kit)-PX*	GSB-P	2	2	2		1			1			1			1
*Not able to use with R2 or R4/5E	E-Anchors and E-Straps	GS(Kit)-PE	GSB-P	2	2	2		1		1				1			1
Complete Kit for mounting 2x R5 on 2x F218s on end	Touring Anchors and Straps	GS(Kit)-QT	GSB-Q	4	2	2	2				2			1			
	E-Anchors and Touring Straps	GS(Kit)-QX	GSB-Q	4	2	2		2		2				1			
	E-Anchors and E-Straps	GS(Kit)-QE	GSB-Q	4	2	2		2		2				1			
Complete Kit for mounting 2 x R3 on F221	E-Anchors and L-Straps	GS(Kit)-RE	GSB-R	6		2		2				2		1			
Install Kit for mounting 2 x R3 on F221 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-RI	GSB-R	6		2			2								
Complete Kit for mounting 2 x R3 on F218 or IB218	E-Anchors and L-Straps	GS(Kit)-SE	GSB-S	6		2		2				2		1			
Install Kit for mounting 2 x R3 on F218 or IB218 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-SI	GSB-S	6		2			2								
Complete Kit for mounting 1 x R3 on F121 or F221 on end	E-Anchors and L-Straps	GS(Kit)-TE	GSB-T	2	2	2		1				1		1			1
Complete Kit for mounting 3 x R3 on F221	E-Anchors and L-Straps	GS(Kit)-UE	GSB-U	8		3		3				3		1			
Install Kit for mounting 3 x R3 on F221 (requires additional JP-BL Bass Joiners)	I-Anchors and No Straps	GS(Kit)-UI	GSB-U	8		3			3								
Complete Kit for mounting 1 x R3 on F121 on end with a special riser	E-Anchors and L-Straps	GS(Kit)-VE	GSB-V	2	1	1		1				1		1			

All kits include the board and all necessary metal parts and straps

Kits with codes ending in 'T' have Touring Anchors and Straps for use with Touring R4s or R5s only

Kits with codes ending in 'X' have E-Anchors and Touring Straps for use with Touring R4s or R5s only, but facilitating more downward tilt than with the T kits

Kits with codes ending in 'E' have E-Anchors with captive E Straps for use with E Enclosures, R2s and R3s as appropriate

Kits with codes ending in 'I' are for install applications where everything is secured with bolts rather than straps. These have I-Anchors for use with E Enclosures, R2s and R3s. Bass joiner kits (JP-BL) should be ordered separately to secure the bass.

Please be aware that kits with boards for multiple bass enclosures always contain the maximum amount of clasps/clasp 2s, clamps and bass straps